



PNT Interference Detection and Mitigation Plan

CGSIC

September 25, 2006



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Draft IDM Plan

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U.S. Space-Based PNT Policy

Policy objectives include:

- **Maintain the Global Positioning System (GPS) as a component of multiple sectors of the U.S. Critical Infrastructure**



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DHS Responsibilities

- **Coordinate U.S. capabilities to identify, analyze, locate, attribute, and mitigate sources of interference to the GPS and its augmentations;**

Collect, analyze, store, and disseminate interference reports from all sources to enable appropriate investigation, notification and/or enforcement action.

Develop and maintain capabilities, procedures and techniques, and routinely exercise civil contingency responses to ensure continuity of operations in the event that access to the GPS is disrupted or denied



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Draft IDM Plan Development

- **June 2005 PNT Interference Detection & Mitigation Plan Kick-Off Meeting**
- **August 2005 Visits to GPSOC, NAVCEN, FAA NOCC**
- **PNT IDM Plan Development**
 - **26 Aug 2005 Version 1.0**
 - **25 April 2006 Version 2.0**
 - **28 June 2006 EXCOM coordination Version**



Draft IDM Plan Overview

- **Chapter 1 – Introduction**
- **Chapter 2 – Key Policies, Departments and Agencies**
 - Policy directives applicable to development and implementation of plan
 - Departments and Agencies that were assigned responsibilities that impact PNT services
 - DoD, DOT, DOS, DHS, DOC, DNI and NASA
 - National Space-Based PNT Executive Committee, and Coordination Office
- **Chapter 3 – GPS Interference**
 - GPS and the Critical Infrastructure
 - GPS Vulnerability and Analysis Studies
 - Categories of Jamming

Draft IDM Plan Overview (cont'd)

- **Chapter 4 – Current GPS Interference Reporting Procedures**
 - **General Capabilities**
 - USCG Navigation Center (NAVCEN)
 - FAA National Operations Control Center (NOCC)
 - U.S. Strategic Command GPS Operations Center (GPSOC)
 - Federal Communications Commission (FCC)
 - National Telecommunications and Information Admin (NTIA)
 - **Defines investigation and mitigation capabilities, and limitations**
- **Chapter 5 – PNT Interference Detection and Mitigation Plan**
 - **Defines current architecture and Constraints and Limitations**
 - **Outlines capability development and improvement**
 - Near-Term
 - Mid-Term
 - Far-Term
- **Conclusions**



Implementation

- **DHS has established PNT EC & Working Group**
 - Co-chaired by PREP/USCG
 - Meetings held on 28 Jul & 25 Aug/15 Sep respectively
 - Executive Committee Departments and Agencies invited to participate with DOD & DOT liaisons
- **Implementation Plan in draft**
 - Improvements required to meet Policy direction
 - PNTWG currently working to finalize



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The Way Ahead

- **Complete EXCOM coordination**
 - **Develop Fact Sheet for distribution**
- **Upon approval, commence implementation of IDM Plan**